

## ABSTRACT

The object of the present invention is to provide a high-precision fingerprint sensor. In order to achieve this object, the fingerprint sensor of the present invention comprises a matrix portion in which capacitance detection circuits, which each output a detection signal corresponding to the capacitance formed between the capacitance detection circuit and a fingerprint, are arranged in the form of a matrix; and an amplification circuit for amplifying this detection signal. The amplification circuit functions as a signal source for outputting a detection signal to the capacitance detection circuit and is constituted such that the detection signal is transmitted from the amplification circuit to the low potential source line via the capacitance detection circuit.